

Claims

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claim 37 (currently amended): A data processing apparatus for processing media content comprised of a plurality of scenes, said apparatus comprising:

an input unit operable to input context ~~content~~ description data including a plurality of segments each for describing one of said plurality of scenes of media content, said context ~~content~~ description data further including:

a context attribute having a value for describing a context of said media content, and

a plurality of importance attributes each associated with one of said segments and having a value representing a degree of contextual importance of said corresponding one of said segments;

and

an output unit operable to output at least one of said segments based on at least one of said importance attributes.

Claim 38 (Previously presented): The data processing apparatus according to claim 37, wherein said plurality of segments are hierarchically described.

Claim 39 (currently amended): The data processing apparatus according to claim 37, wherein said context ~~content~~ description data includes supplemental information.

Claim 40 (Previously presented): The data processing apparatus according to claim 37, wherein the media content corresponds to video data and/or audio data.

Claim 41 (Previously presented): The data processing apparatus according to claim 37, wherein each of said plurality of segments is provided with linkage information for linking to dominant data that represents said segment.

Claim 42 (Previously presented): The data processing apparatus according to claim 41, wherein said dominant data is one or more of text data, image data and audio data.

Claim 43 (Previously presented): The data processing apparatus according to claim 37, wherein a plurality of context attributes and a plurality of importance attributes are associated with one segment.

Claim 44 (Previously presented): The data processing apparatus according to claim 37, wherein said context

description data is previously generated outside of said data processing apparatus prior said inputting.

Claim 45 (Previously presented): The data processing apparatus according to claim 37, wherein said output unit is operable to output in response to a user query regarding the context.

Claim 46 (Previously presented): The data processing apparatus according to claim 37, wherein said context description data further includes a plurality of time attributes each associated with a corresponding one of said segments for determining a start time and one of an end time and a duration of the scene associated with said corresponding segment.

Claim 47 (currently amended): A data processing method for processing media content comprised of a plurality of scenes, said method comprising:

inputting context ~~content~~ description data including a plurality of segments each for describing one of said plurality of scenes of media content, said context ~~content~~ description data including:

a context attribute having a value for describing a context of said media content, and

a plurality of importance attributes each associated with one of said segments and having a value representing a degree of contextual importance of said corresponding one of said segments;

and

outputting at least one of said segments based on at least one of said importance attributes.

Claim 48 (Previously presented): The data processing method according to claim 47, wherein said plurality of segments are hierarchically described.

Claim 49 (currently amended): The data processing method according to claim 47, wherein said context ~~content~~ description data includes supplemental information.

Claim 50 (Previously presented): The data processing method according to claim 47, wherein the media content corresponds to video data and/or audio data.

Claim 51 (Previously presented): The data processing method according to claim 47, wherein each of said plurality of segments is provided with linkage information for linking to dominant data that represents said segment.

Claim 52 (Previously presented): The data processing method according to claim 51, wherein said dominant data is one or more of text data, image data and audio data.

Claim 53 (Previously presented): The data processing method according to claim 47, wherein a plurality of context attributes and a plurality of importance attributes are associated with one segment.

Claim 54 (Previously presented): The data processing method according to claim 47, wherein said context description data is previously generated prior said inputting.

Claim 55 (Previously presented): The data processing method according to claim 47, wherein said output unit is operable to output in response to a user query regarding the context.

Claim 56 (Previously presented): The data processing method according to claim 47, wherein said context description data further includes a plurality of time attributes each associated with a corresponding one of said segments for determining a start time and one of an end time and a duration of the scene associated with said corresponding segment.

Claim 57 (currently amended): A data processing apparatus for processing media content comprised of a plurality of scenes, said apparatus comprising:

input means for inputting context ~~content~~ description data describing said plurality of scenes, said context ~~content~~ description data being arranged in a hierarchy and including:

a plurality of section elements;

a plurality of segment elements each being a child of one of said section elements and also being associated with a corresponding one of said plurality of scenes;

a plurality of context attributes each being associated with one or more of said segment elements and/or section elements, each of said context attributes having a value for describing a context of said media content;

a plurality of importance attributes each associated with one of said context attributes and also associated with one of said segment elements that are associated with said one of said context attributes, and having a value representing a degree of importance of the scene associated with said one of said segment elements in relation to the context of said context attribute, and

a plurality of time attributes each associated with a corresponding one of said segments for determining a start time and one of an end time and a duration of the scene associated with said corresponding segment;

and

selection means for selecting one or more of said segments based on an analysis of said importance attributes.

Claim 58 (Previously presented): The apparatus of claim 57, wherein said context description data is previously generated and stored in a database prior said inputting.

Claim 59 (Previously presented): The apparatus of claim 57, wherein said selecting is in response to a user query regarding the context.

Claim 60 (Previously presented): A data processing method for processing media content comprised of a plurality of scenes, said method comprising:

inputting hierarchically arranged context description data that describes a plurality of scenes of the media contents of one or more media files, said context description data including:

a plurality of segment elements each for describing one of said plurality of scenes,

a plurality of section elements each having either one or more of said plurality of section elements as children, or having one or more of said plurality of segment elements as children,

a plurality of context attributes each having a value for describing a corresponding context of said media content and each being an attribute associated with one or more of said segment elements and including at least one keyword for describing the contents of the scenes described by the associated one or more of said segment elements, and

a plurality of importance attributes each associated with a corresponding one of said segment elements and having a value representing a degree of importance of the scene corresponding to said corresponding segment element in relation to one context attribute that is also associated with corresponding segment element;

selecting one or more of said segment elements based on an analysis of one or more of said context attributes and the associated importance attributes;

inputting said media content; and

outputting one or more of said plurality of scenes based on the selected segment elements.

Claim 61 (Previously presented): The method of claim 60, wherein said section elements are each associated with some corresponding portion of said media contents, and wherein said context description data further includes:

another plurality of context attributes each having a value for describing a corresponding context of said media content and each being an attribute associated with one or more of said section elements and including at least one keyword for describing the contents of the corresponding portion described by the associated one or more of said section elements, and

another plurality of importance attributes each associated with a corresponding one of said section elements and having a value representing a degree of importance of the portion corresponding to said corresponding section element in relation to one of the another context attributes that is also associated with the corresponding section element.

Claim 62 (Previously presented): The method of claim 61, wherein each segment element can be a child of only one section element, and wherein each section element can be a child of only one other section element, and further wherein when a child of any of said section elements

includes a segment, that section element can only have additional segment elements as children.

Claim 63 (Previously presented): The method of claim 62, wherein a given section element describes that portion of the media contents that is described by the compilation of the children elements of said given section element.